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LIST OF BULLETINS OF THE
AGRICULTURAL
EXPERIMENT STATIONS
FOR THE CALENDAR YEARS
1941 AND 1942

Compiled by

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250. Factors influencing Alabama agriculture: Its characteristics and farming areas. B. F. Alvord, M. A. Crosby, and E. G. Schiffman. 76 pp. Apr. 1941.
251. Practical dog feeding. C. J. Koehn. 23 pp. Jan. 1942.
252. Food habits of consumer groups in small towns of Alabama that affect farmers' markets. J. H. Blackstone and B. T. Inman. 68 pp. Feb. 1942.
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254. Management of farm fish ponds. H. S. Swingle and E. V. Smith. 23 pp. Apr. 1942.
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256. Increasing incomes and conserving resources on cotton-corn farms in Marion County, Alabama. B. T. Lanhan, Jr., and W. F. Lagrone. 23 pp. June 1942.
257. A general appraisal of the livestock industry in the southeastern states. W. K. McPherson. 32 pp. June 1942.

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172. Third annual report of the Arizona feed control office, year ending December 31, 1940. W. T. McGeorge, E. O. Foster, A. M. Kalaf, and H. von Colbitz. Pp. 187-244. Feb. 1941.
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175. Agricultural land ownership and operating tenures in Casa Grande Valley. P. Greisinger and G. W. Barr. Pp. 279-292. Nov. 1941.

¹This publication is a continuation of Department Bulletin 1199, the three supplements thereto, and Miscellaneous Publications 65, 128, 181, 232, 294, 362, and 459.
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176. Volume and characteristics of migration to Arizona, 1930-39. V. Fuller and E. D. Tetreau. Pp. 293-327. Nov. 1941.
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180. Egg profit calculator. H. Embleton. Pp. 409-417. Mar. 1942.
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89. Studies of the ripening of Marsh grapefruit in Arizona with especial reference to the improvement of maturity measurements. R. H. Hilgeman. Pp. 93-168. Jan. 1941.
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420. Chemical composition of Arkansas-grown American grapes. H. Reynolds and J. E. Vaile. 53 pp. June 1942.
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- Vol. 13, No. 9. Factors influencing the results of fumigation of the California red scale. D. L. Lindgren; Inheritance of resistance to hydrocyanic acid fumigation in the California red scale. R. C. Dickson. Pp. 491-522. Jan. 1941.
- Vol. 13, No. 10. Experiments with fungicides for use against *Sclerotium rolfsii* in soils. A. E. Davey and L. D. Leach; Further studies on the inheritance of resistance to powdery mildew of beans. B. Dundas; Snapdragon rust-resistance trials, 1937-1938. C. O. Blodgett and G. A. L. Mehliquist. Pp. 523-581. Jan. 1941.
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467. Factors that affect sheep income. R. T. Burdick. 28 pp. May 1941.
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470. Winter wheat production in Colorado. D. W. Robertson, J. J. Curtis, D. Koonce, J. F. Brandon, and O. H. Coleman. 24 pp. Apr. 1942.
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472. Rate and date of seeding winter wheat in eastern Colorado. D. W. Robertson, J. F. Brandon, H. Fellows, O. H. Coleman, and J. J. Curtis. 9 pp. June 1942.
473. Will we help youth preserve democracy? R. W. Roskelley, F. M. Berry, and G. E. Kipple. 47 pp. Oct. 1942.

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28. The nitrogen requirement of sugar beets. R. Gardner and D. W. Robertson. 32 pp. Feb. 1942.
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444. Tobacco substitution at Windsor, report for 1940. P. J. Anderson, T. R. Swanback, and S. B. LeCompte, Jr. Pp. 223-286. May 1941.
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463. A wood-burning conversion unit for household furnaces. H. W. Hicock, A. R. Olson and L. E. Seelev. Pp. 593-614. Sept. 1942.
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466. Drainage water losses from a sandy soil as affected by cropping and cover crops: Windsor lysimeter series C. M. F. Morgan, H. G. M. Jacobson, and S. B. LeCompte, Jr. Pp. 729-759. Oct. 1942.
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236. The hatchability of chicken eggs as influenced by environment and heredity. W. Landauer. 124 pp. June 1941. Revision of 216.
237. Efficiency of milk marketing in Connecticut. 1. Supply and price interrelationships for fluid milk markets. D. O. Hammerberg, L. W. Parker, and R. G. Bressler, Jr. 53 pp. Feb. 1942.
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242. The effects of cutting systems on alfalfa. B. A. Brown and R. I. Munsell. 23 pp. Nov. 1942.
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412. Resistance of strains of red clover to pea-aphid injury. H. H. Jewett. Pp. 41-55. Apr. 1941.

413. Greenhouse tests of the availability of phosphorus in certain phosphate fertilizers. P. E. Karraker, H. F. Miller, C. E. Bortner, and J. K. Todd. Pp. 57-86. June 1941.
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415. Effect of tobacco mosaic on yield and quality of dark fire-cured tobacco. E. M. Johnson and W. D. Valleau. Pp. 109-114. June 1941.
416. Effect of formaldehyde fumigation on mortality of chick embryos. W. M. Insko, Jr., D. G. Steele, and C. M. Hinton. Pp. 117-138. June 1941.
417. Community land-use planning committees: Organization, leadership, and attitudes, Garrard County, Kentucky, 1939. H. W. Beers, R. M. Williams, J. S. Page, and D. Enslinger. Pp. 141-236. June 1941.
418. Legal aspects of farm tenancy in Kentucky. H. A. Hockley and W. D. Nicholls. Pp. 237-264. June 1941.
419. Systems of farming for the central bluegrass region of Kentucky. W. D. Nicholls, G. B. Byers, and J. H. Bondurant. Pp. 265-319. June 1941.
420. Field tests of the relative effectiveness of different phosphate fertilizers. G. Roberts, J. F. Freeman, and H. Miller. 32 pp. Jan. 1942.
421. Land-tenure classification and areas in Kentucky. J. H. Bondurant and W. C. Binkley. 50 pp. Jan. 1942.
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326. A farm management and cost study of strawberry farms in southeastern Louisiana, 1937-38. J. N. Efferson. 31 pp. Jan. 1941.
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328. Cotton plantation laborers: A socio-economic study of laborers on cotton plantations in Concordia Parish, Louisiana. S. E. Grigsby and H. Hoffsommer. 40 pp. Feb. 1941.
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330. Home-mixed rations for poultry. H. J. Davis and J. B. Francioni, Jr. 4 pp. Feb. 1941.
331. Precooling of strawberries. H. T. Barr and W. D. Poole. 22 pp. Mar. 1941.
332. Precooling and drying of washed Irish potatoes. W. D. Poole and H. T. Barr. 23 pp. Apr. 1941.
333. Part-time farming in a rural-industrial area of Louisiana. C. A. Boonstra and H. Jackson. 18 pp. June 1941.
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338. Factors affecting profits from dairy herds. D. M. Seath and E. W. Neasham. 15 pp. Feb. 1942.

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340. Rough rice marketing in Louisiana. C. A. Boonstra. 39 pp. Mar. 1942.
341. Profitable permanent pastures for dairy cattle. D. M. Seath. 15 pp. Mar. 1942.
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343. Observations and studies on the peat deposits of Louisiana. W. R. Dodson. 27 pp. May 1942.
344. How methods and promptness of cooling affects the quality of milk, with suggestions for producing high quality milk. A. J. Gelpi, C. S. McCleskey, and D. M. Seath. 15 pp. June 1942.
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349. Seed and soil treatment for the control of damping-off. L. H. Person and S. J. P. Chilton. 16 pp. June 1942.
350. Entomological progress, number 3. Assembled by C. O. Eddy. 52 pp. Feb. 1942.
351. The Baton Rouge City Abattoir: relation to the retail meat supply, production and marketing problems of farmers. J. M. Baker. 20 pp. June 1942.
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405. Report of progress for year ending June 30, 1941. F. Griffee. Pp. 401-535. June 1941.
406. Farm organization and costs and returns in producing potatoes on farms in the St. John River area of Aroostook County, Maine, 1937. W. E. Schrumph. Pp. 1-82. July 1941.
407. Results of testing some laboratory methods for possible use in the detection of virus diseases in potato tubers. D. Folsom. Pp. 83-104. July 1941.
408. Farm management on central Maine farms with dairy enterprises. E. Rauchenstein and A. E. Watson. Pp. 105-159. Jan. 1942.
409. The biology of *Fomes fomentarius*. M. T. Hilborn. Pp. 161-214. Feb. 1942.
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439. Studies on corn ear worm control. L. P. Ditman, J. P. Secrest, and E. N. Cory. Pp. 203-223. Mar. 1941.
440. Classification of agricultural areas, Frederick County, Maryland. R. W. Harrison and P. L. Searfoss. Pp. 225-266. Apr. 1941.
441. Status and trend of agricultural cooperation in Maryland. P. R. Poffenberger, J. R. Ives, and S. H. DeVault. Pp. 267-324. May 1941.
- A1. Feed and other costs of producing market eggs. T. C. Byerly. Pp. 1-29. July 1941.
- A2. Characteristics of farm property assessments in Maryland after the last reassessment. E. E. Miller and W. P. Walker. Pp. 31-72. Aug. 1941.
- A3. Economic aspects of the distilling industry in Maryland. S. H. DeVault, W. P. Walker, and R. W. Harrison. Pp. 73-89. Oct. 1941.
- A4. The potato enterprise in Garrett County, Maryland. A. B. Hamilton and S. H. DeVault. Pp. 90-121. Oct. 1941.
- A5. Farmers' mutual fire insurance in Maryland. P. R. Poffenberger, S. H. DeVault, and G. H. Goldsborough. Pp. 123-144. Nov. 1941.
- A6. Value of a fermentation by-product in poultry feeds. A. C. Groschke and H. R. Bird. Pp. 145-172. Nov. 1941.
- A7. The pistol casebearer in Maryland. H. S. McConnell. Pp. 173-187. Mar. 1942.
- A8. Short-term credit on the lower Eastern Shore of Maryland. P. R. Poffenberger, S. H. DeVault, and W. J. Lodman. Pp. 188-220. Apr. 1942.
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- A10. Poisonous plants of Maryland in relation to livestock. G. B. Reynard and J. B. S. Norton. Pp. 249-312. May 1942.
- A11. Where Frederick and Salisbury, Md., get their food supplies. R. F. Burdette and W. P. Walker. Pp. 313-337. May 1942.

- A12. Relation of vitamin A to egg production and hatchability. M. Rubin and H. R. Bird. Pp. 338-350. May 1942.
- A13. Soybean-millet molasses silage for dairy cows. M. H. Berry and K. L. Turk. Pp. 351-360. June 1942.
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- A15. Labor requirements for selected crops in Maryland. A. B. Hamilton, G. S. Abshier, and S. H. DeVault. Pp. 45-94. Aug. 1942.
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- A19. County road use and finance in Maryland. W. P. Walker. Pp. 212-249. Dec. 1942.
- A20. Cattle feeding experiments, 1938-1939, 1939-1940, 1940-1941, 1941-1942. F. H. Leinbach. Pp. 250-269. Dec. 1942.

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379. Trace metals and total nutrients in human and cattle foods. E. B. Holland and W. S. Ritchie. 31 pp. July 1941.
380. Pasture culture in Massachusetts. W. G. Colby. 44 pp. Oct. 1941.
381. Spraying to control preharvest drop of apples, especially in relation to McIntosh. L. Southwick and J. K. Shaw. 16 pp. Feb. 1941.
382. The propagation of some trees and shrubs by cuttings. W. L. Doran. 56 pp. Mar. 1941.
383. The sanitary evaluation of private water supplies. R. L. France. 11 pp. Mar. 1941.
384. The importance of length of incubation period in Rhode Island Reds. F. A. Hays. 12 pp. July 1941.
385. Natural land types of Massachusetts and their use. A. B. Beaumont. 16 pp. May 1941.
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387. Interrelationship of land uses in rural Massachusetts. D. Rozman. 48 pp. Dec. 1941.
388. Annual report for the fiscal year ending November 30, 1941. 108 pp. Feb. 1942.
389. Production and prices of milk in the Springfield-Holyoke-Chicopee milkshed in 1935. A. A. Brown and M. Booth. 32 pp. Feb. 1942.
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391. A survey and study of spontaneous neoplastic diseases in chickens. C. Olson, Jr., and K. L. Bullis. 56 pp. Apr. 1942.
392. Blooming dates of some selected hardy perennials. H. S. Tiffany. 55 pp. Apr. 1942.
393. Bay State, a red forcing tomato bred for resistance to leaf mold. E. F. Guba. 8 pp. June 1942.
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EAST LANSING

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306. Soil reaction (pH) preferences of plants. C. H. Spurway. 36 pp. Apr. 1941.
307. Michigan trappers. D. W. Hayne. 34 pp. June 1941.
308. Refrigerator cars as farm storages. H. A. Cardinell. 38 pp. May 1941.
309. The competitive position of dairying in Michigan. R. V. Baumann and E. B. Hill. 38 pp. June 1941.
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311. Experience of Michigan rural banks with short term loans to farmers. R. J. Burroughs and H. S. Patton. 80 pp. Aug. 1941.
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315. Financial management analysis of farmers' cooperatives in Michigan. H. E. Larzelere. 95 pp. May 1942.
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- Handbook of virus diseases of stone fruits in North America. E. M. Hildebrand, G. H. Berkeley, and D. Cation. 76 pp. May 1942.

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 353. Farm tenancy in Minnesota. G. A. Pond. 56 pp. June 1941.
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 356. Gourds—their culture, uses, identification, and relation to other cultivated Cucurbitaceae. A. E. Hutchins and L. Sando. 35 pp. June 1941.
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 363. Battling weeds on Minnesota farms. H. K. Wilson, L. M. Stahler, A. C. Arny, R. B. Harvey, A. H. Larson, and R. H. Landon. 28 pp. June 1942.

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 148. An ecological study of the forest tent caterpillar *Malacosoma disstria* Hbn., in northern Minnesota. A. C. Hodson. 55 pp. Nov. 1941.
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354. An illustrated guide to care of ornamental trees and shrubs. F. S. Batson and R. O. Monosmith. 57 pp. May 1941.
355. Growing cucumbers for pickling in Mississippi. W. S. Anderson. 17 pp. Apr. 1941.
356. Pastures in Mississippi. H. W. Bennett. 39 pp. July 1941.
357. The influence on cotton production of nitrogen, phosphorus, and potassium and their combination. J. L. Anthony and J. Pitner. 15 pp. Mar. 1941.
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363. Jackstock production in Mississippi. R. H. Means. 23 pp. Oct. 1941.
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331. Alfalfa in Nebraska. H. M. Tysdal and T. A. Kiesselbach. 68 pp. May 1941.
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240. Studies on the biology of four common carpet beetles. I. The black carpet beetle (*Attagenus piceus* Oliv.), the varied carpet beetle (*Anthrenus verbasci* L.), and the furniture carpet beetle (*Anthrenus vorax* Waterh.). G. H. Griswold. II. The old-fashioned carpet beetle (*Anthrenus scrophulariae* L.). M. Greenwald. 75 pp. Dec. 1941.
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243. A controlled attempt to restore fertility in dairy cattle by treatment with gonadic and gonadotropic hormones. S. A. Asdell, M. G. Fincher, S. E. Smith, and F. I. Elliott. 27 pp. May 1942.
244. The relationship between body temperature and genetic resistance to *Salmonella pullorum* in the fowl. J. C. Scholes and F. B. Hutt. 35 pp. June 1942.
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GENEVA

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697. The influence on milk production of a definite time interval for milking cows by machine. A. C. Dahlberg. 13 pp. July 1941.
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256. Objective methods for determining the maturity of peas, with special reference to the frozen product. F. A. Lee. 17 pp. Mar. 1941.
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BULLETINS

296. Blight and other damage of durum wheat in 1940. I. Effect on macaroni-making quality. R. H. Harris and L. D. Sibbitt. II. Effects of blights and other damage on durum and hard wheat seed. W. E. Brentzel. 14 pp. Jan. 1941.
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298. Flax production and climate of North Dakota and Minnesota, 1919-1937. T. H. Hopper and M. Johnson. 71 pp. Feb. 1941.
299. Farm price facts for North Dakota. W. L. Ettesvold. 24 pp. June 1941.
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10. The utilization of feed as affected by grinding. V. G. Heller, R. Wall, and H. M. Briggs. 10 pp. July 1941.
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- T12. The chemical composition of Atlas and Dwarf Yellow milo plants in relation to chinch bug resistance. J. E. Webster and V. G. Heller. 29 pp. Apr. 1942.
 T13. The uneven ripening of Concord grapes: Chemical and physiological studies. J. E. Webster and F. B. Cross. 48 pp. June 1942.
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 396. Cost and efficiency in producing walnuts in western Oregon. G. W. Kuhlman and C. E. Schuster. 59 pp. June 1941.
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 399. The farm freezing plant. W. H. Martin, F. E. Price. 19 pp. Nov. 1941.
 400. Marketing central Oregon and Klamath Basin late-crop potatoes. D. B. DeLoach and G. R. Sitton. 36 pp. Dec. 1941.
 401. Oregon's agricultural research aids national defense: Biennial report, 1938-1940. R. S. Besse. 95 pp. Dec. 1941.
 402. Studies of parasites in Oregon sheep on irrigated pastures. J. N. Shaw and O. H. Muth. 16 pp. Feb. 1942.
 403. Selective sprays for weed control in crops. L. E. Harris and G. R. Hyslop. 31 pp. Feb. 1942.
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 409. Cost of operating power equipment on Oregon farms. D. C. Mumford, V. D. Kennedy, and G. B. Davis. 32 pp. June 1942.
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 415. Cost and efficiency in producing hairy vetch and Austrian winter field peas in western Oregon. G. W. Kuhlman and D. C. Mumford. 59 pp. Nov. 1942.

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402. Trials of annual flowers, 1940. E. I. Wilde and J. R. Culbert. 38 pp. Feb. 1941.
 403. Experiments with buckwheat. J. W. White, F. J. Holben, and A. C. Richer. 62 pp. Mar. 1941.
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 406. The pistol case-bearer and its control in Pennsylvania orchards. H. M. Steiner and H. N. Worthley. 26 pp. Mar. 1941.
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411. Legume silage in dairy feedings. S. I. Bechdel, R. W. Stone, P. S. Williams, and F. R. Murdock. 22 pp. Apr. 1941.
412. The Pennsylvania method for determining the percentage of fat in dairy products W. D. Swope. 18 pp. Mar. 1941.
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414. Science for the farmer: Fifty-fourth annual report for the fiscal year ended June 30, 1941. 63 pp. Nov. 1941.
415. The minimum base value of heat production in animals: A research in the energy metabolism of cattle. E. B. Forbes and R. W. Swift. 26 pp. Nov. 1941.
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429. Science for the farmer: Fifty-fifth annual report for the fiscal year ended June 30, 1942. S. W. Fletcher. 44 pp. Aug. 1942.
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435. Methods of forest growth determination. H. A. Meyer. 93 pp. Dec. 1942.
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437. Brook trout in Kettle Creek and tributaries. R. L. Watts, G. L. Trembley, and G. W. Harvey. 41 pp. Dec. 1942.

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BULLETINS

40. The biology of *Metagonistylum minense* Tns., a parasite of the sugarcane borer. K. A. Bartlett. 20 pp. Dec. 1941.
41. A study of the adult populations of the West Indian fruitfly in citrus plantings in Puerto Rico. L. C. McAlister, Jr., W. A. McCubbin, G. A. Pfaffman W. T. Owrey H. G. Taylor, and I. W. Berryhill. 16 pp. Dec. 1941.

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BULLETINS

57. Consumo de alimentos en la zona rural de Puerto Rico. S. Diaz Pacheco. 23 pp. Mar. 1941.
58. El costo del mantenimiento de animales y su relacion con el uso de la tierra en la costa noroeste y la zona tabacalera. F. de Jesús. 34 pp. June 1941.
59. Food consumption studies in Puerto Rico. S. L. Descartes, S. Díaz Pacheco, and J. R. Noguera. 76 pp. June 1941.
60. Precio del tabaco en rama al agricultor en Puerto Rico del 1907 al 1940. J. J. Serrallés, Jr., y M. Velez, Jr. 42 pp. June 1941.
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61. Costos e ingresos de algodón sea-island en la costa noroeste de Puerto Rico, 1939 y 1940. L. M. Geigel. 41 pp. Jan. 1942.
62. Distribución de legumbres y hortalizas en las cuidades de Rio Piedras y San Juan. I. Organización del sistema de mercadeo y costos de distribución. II. Costos de explotación de camiones en la distribución de legumbres y hortalizas. S. Días Pacheco y J. R. Noguera. 40 pp. Nov. 1942.
63. Estudio de 96 granjas de la P. R. R. A. establecidas en Cayey, Cidra y Aibonito. D. Had-dock. 28 pp. June 1942.

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1. Chemical data of Puerto Rico soils: Correlation of data for humid and arid areas. Field response of crops to available phosphorus and potash in soils. J. A. Bonnet. 53 pp. Apr. 1941.
2. The life history of *Oesophagostomum radiatum*, the common nodular worm of cattle. J. S. Andrews and J. F. Maldonado. 14 pp. May 1941.
3. A physiological study on the effects of waxing pineapples of different stages of maturity. N. A. Schappelle. 32 pp. May 1941.

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KINGSTON

BULLETINS

277. A study of soil erosion in the agricultural areas of Rhode Island and the comparative erodibility of five major soil series associated with these areas. E. A. Perry. 25 pp. June 1941.
278. Pathogenicity and control of *Corticium fuciforme*. L. E. Erwin. 34 pp. June 1941.
279. The economic relationship between feeding and milk production in Rhode Island. J. L. Tennant and H. C. Fowler. 23 pp. June 1941.
280. Field experiments with potash fertilizers. T. E. Odland and T. R. Cox. 30 pp. June 1941.
281. Field experiments with phosphate fertilizers. T. E. Odland and T. R. Cox. 27 pp. Feb. 1942.
282. Satellite acres: A study of 1,100 households in rural Rhode Island with income from combinations of non-agricultural employment and agricultural production. W. R. Gordon. 80 pp. Mar. 1942.
283. Influence of spacing on yield and grade of strawberries. E. P. Christopher. 15 pp. Nov. 1941.
284. The modification of infectious bronchitis virus of chickens as the result of propagation in embryonated chicken eggs. J. P. Delaplane and H. O. Stuart. 20 pp. Nov. 1941.
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286. Vitamin A metabolism and requirements as determined by the rhodometer. E. L. Batchelder and J. C. Ebbs. 24 pp. Sept. 1942.
287. Production and marketing of potatoes in Rhode Island. J. L. Tennant and A. Joss. 47 pp. Nov. 1942.

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332. An economic study of agriculture in the Little Beaverdam Creek area, Anderson County, South Carolina. M. J. Peterson. 54 pp. Mar. 1941.
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474. Food consumption of 538 farm and 299 village families in Vermont. V. Britton. 46 pp. June 1941.
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33. Experiments and observations on pasture management in Appomattox County. T. B. Hutcheson. 32 pp. Apr. 1941.
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396. Boron deficiency of alfalfa in western Washington. K. Baur, G. A. Huber, and L. C. Wheating. 16 pp. Feb. 1941.
397. The adjustment of new settlers in the Yakima Valley, Washington. C. F. Reuss and L. H. Fisher. 48 pp. Feb. 1941.
398. Wheat varieties in Washington in 1939. E. F. Gaines and E. G. Schafer. 22 pp. Apr. 1941.
399. Settlement experience and opportunities on cut-over lands of western Washington. C. P. Heisig. 56 pp. Apr. 1941.
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